FortiAP 5.6.0 Release Notes

VERSION 5.6.0

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July 18, 2018

FortiAP 5.6.0 Release Notes

20-560-415788-20180718

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Change log

Date	Change Description
April 12, 2017	Initial release.
July 18, 2018	Change to Common vulnerabilities and exposures and minor edits throughout the document.

Introduction

This document provides the following information for FortiAP version 5.6.0:

- Supported models
- What's new in FortiAP 5.6.0
- Upgrade information
- Product integration and support
- Resolved issues

For more information about your FortiAP device, see the FortiWiFi and FortiAP Configuration Guide in the Fortinet Document Library.

Supported models

FortiAP version 5.6.0 supports the following models:

Model support

Model	Build
FAP-11C, FAP-14C, FAP-21D, FAP-24D, FAP-25D, FAP-112D, FAP-221C, FAP-222C, FAP-223C, FAP-224D, FAP-320C, FAP-321C	0467

What's new in FortiAP 5.6.0

The following is a list of new features and enhancements in FortiAP version 5.6.0:

- Fast Failover between FortiGate WiFi controllers (mode "1+1" only)
- New security option for CAPWAP data channel: IPsec VPN
- Multiple PSK for WPA2-Personal SSID
- QoS profile in SSID configuration:
  - Traffic shapers per VAP and per client
  - WiFi multimedia (WMM) call admission control
  - Override DSCP mappings for WMM clients
- Enhanced SSID roaming:
  - Fast BSS Transition (IEEE 802.11r)
  - Voice Enterprise (IEEE 802.11k and 802.11v assisted roaming)
- External captive-portal framework on local-bridging SSID:
  - CMCC portal
  - FortiGate authentication portal
- Channel utilization

- FortiPresence supports promiscuous detection on home and foreign channels
- Sensor Mode in WIDS profile (previous "rogue-scan" setting)
- Local-standalone SSID improvements:
  - "Custom" Schedule configured by FortiCloud
  - PMF support (WPA2-Personal/Enterprise)
  - Lease time for NAT-mode DHCP IP assignment
  - OKC support for NAT mode
- FAP region and country code adjustment:
  - Albania, Tanzania, and Zimbabwe now belong to region "E"
  - Kazakhstan belongs to region "P"
  - Yemen belongs to region "V"
  - Algeria belongs to region "I"

Upgrade information

Upgrading from FortiAP version 5.4.2

FortiAP 5.6.0 supports upgrading from 5.4.2.

Downgrading to previous firmware versions

FortiAP 5.6.0 does not support downgrading to previous firmware versions.

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, https://support.fortinet.com. After logging in select *Download* > *Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

Supported upgrade paths

To view all previous FortiAP versions, build numbers, and their supported upgrade pathways, see the following Fortinet Cookbook link:

http://cookbook.fortinet.com/supported-upgrade-paths-fortiap/

Product integration and support

FortiAP 5.6.0 support

The following table lists FortiAP version 5.6.0 product integration and support information.

FortiAP 5.6.0 support

Web Browsers	• Microsoft Internet Explorer version 11 • Mozilla Firefox version 41 • Google Chrome version 47 • Safari 8 Other web browsers may function correctly, but are not supported by Fortinet.
FortiOS	5.6.0 and later
FortiExplorer (Windows/MAC)	2.6.0 (model FAP-11C only)
FortiExplorer Lite (iOS)	2.1.0 (models FAP-11C, 21D, 24D, 112D, and 320C only)

Resolved issues

The following issues have been fixed in version 5.6.0. For inquiries about a particular bug, contact Fortinet Support.

Bug ID	Description
293357	Mesh-leaf FAP now can associate with PMF-enabled mesh-backhaul SSID.
301726	Sniffer mode did not work on 802.11ac radio.
378694	On 2.4GHz band, channels 8 and 9 didn't use upper channel after configured channel-bonding 40MHz.
396045	Fixed DNS rotation issue to improve the display of social-media authentication page for FortiCloud captive portal SSID.
396748	Fixed LAN LED issue on FAP-24D.
402200	FAP lost a few beacon frames on 2.4GHz radio with multiple SSIDs configured.
402227	Fixed kernel crash on mesh-leaf FAP when mesh-backhaul SSID was configured with WPA/WPA2(auto) Personal.
406707	Fixed Tx power irregularity on FAP-224D.
409852	FortiCloud captive portal with social-media login was not working consistently.

Common vulnerabilities and exposures

FortiAP 5.6.0 is no longer vulnerable to the following CVE Reference:

- CVE-2017-3731
- CVE-2016-7055

For more information, visit https://fortiguard.com/psirt.

Known issues

The following issues have been identified in version 5.6.0. For inquiries about a particular bug or to report a bug, contact Fortinet Support.

Bug ID	Description
300081	FortiAPs may encounter high CPU usage intermittently after a FortiGate wireless controller pushes a local-authentication virtual AP (VAP) configuration to them.
245323	Spectrum analysis may result in high CPU usage on some FortiAP models including the FAP-221B, FAP-223B, and FAP-221C.
236312	Split-tunneling SSIDs do not support VLANs.